

B. COHEN.
Reservoirs.

No. 156,074.

Patented Oct. 20, 1874.

Fig. 1.

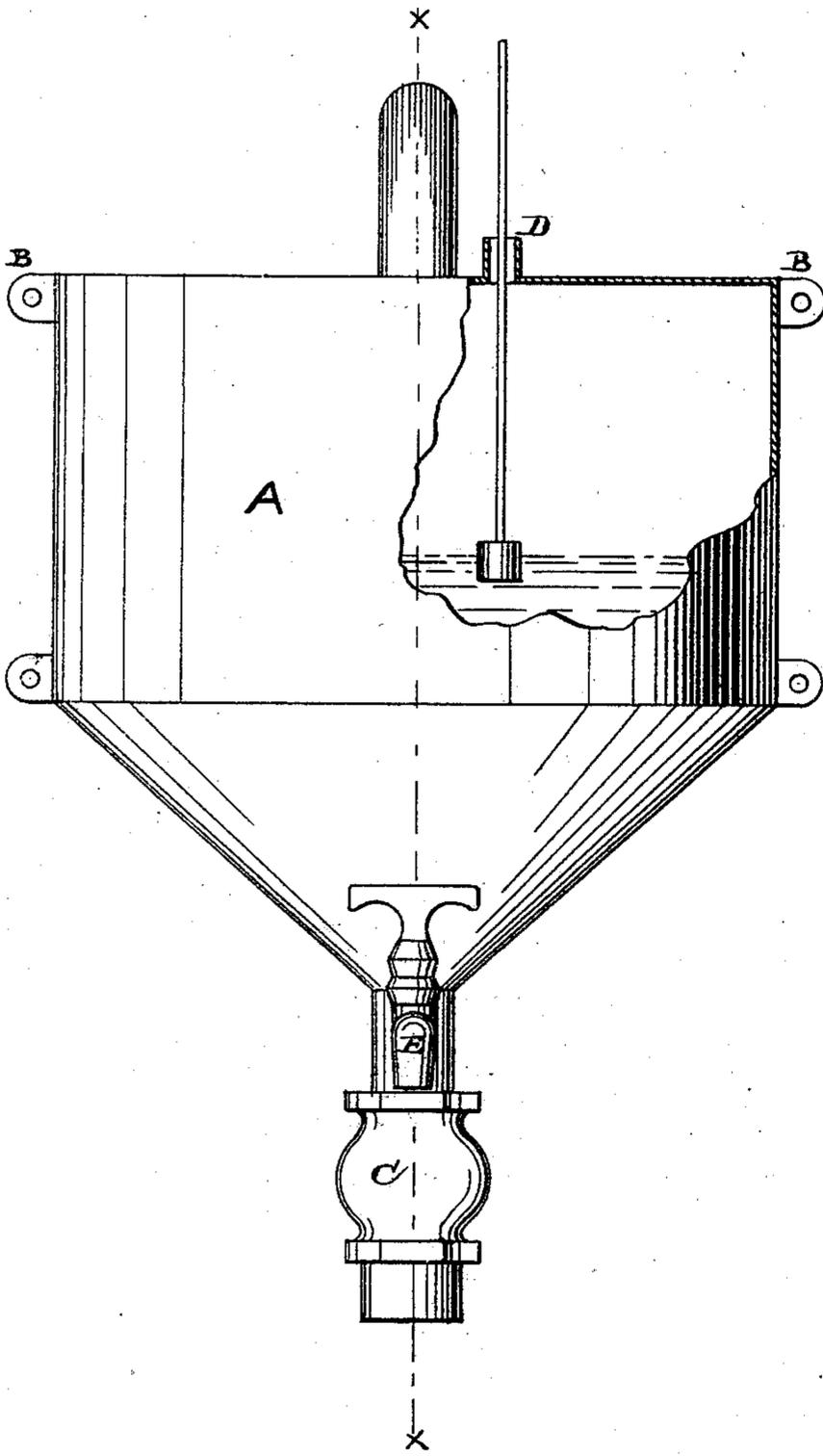
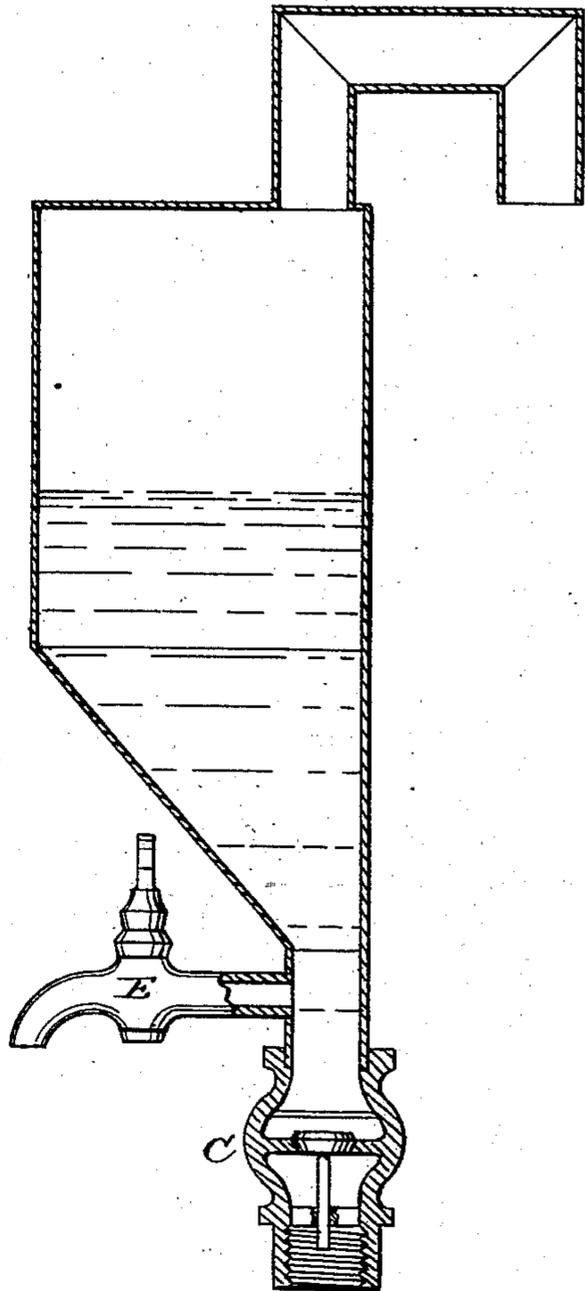


Fig. 2.



WITNESSES:

Hedgwick
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UNITED STATES PATENT OFFICE.

BENNET COHEN, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN RESERVOIRS.

Specification forming part of Letters Patent No. **156,074**, dated October 20, 1874; application filed June 27, 1874.

To all whom it may concern:

Be it known that I, BENNET COHEN, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Reservoir, of which the following is a specification:

The object of this invention is to provide a reservoir which may be attached to the water-pipes in the upper stories of buildings, so that, should the water be cut off from below, there may be a sufficient supply retained above for temporary purposes, the construction and operation of which will be fully understood from the following description, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a front view of reservoir. Fig. 2 is a sectional elevation, taken through the line *x x*.

Similar letters of reference indicate corresponding parts.

In the case here presented the upper part of the reservoir A is made semicircular in form, and its lower portion tapers down to its junction with the water-pipe. The back of the said reservoir is made perfectly flat, so that it may be secured to the wall of the building by nails or screws inserted through the lugs B B. At a point in the pipe near each reservoir I have a check-valve, C, so that the upward pressure of the water in the pipes will cause the water to run continuously up through the pipes and reservoirs. Each reservoir is provided with a ventilator, D, which will close automatically by means of a float-valve when the reservoir is filled with water. The faucet E taps the water-pipe between the check-valve and lowest part of the reservoir, so that it may be able to carry off all the water contained in the reservoir.

I do not propose to broadly claim the idea of locating water-reservoirs in the various stories of buildings, as this is not new.

My invention is specially designed for tenement-houses, where a single supply-pipe serves to convey the water to the different floors, the water being conducted from a street-main and elevated by its own pressure.

It is a well-known fact that when the water is running in a lower story the water-supply in the stories above is shut off, and for avoiding this result I propose to use a series of water-reservoirs, one for each story, so that there is always a sufficient supply of water in the same which can be used when the main supply is shut off. The reservoirs are connected with the water-pipe by a screw-threaded neck at the bottom, in which is located a valve moving in an upward direction, as heretofore described. The opening or ventilator in the top of the reservoir-chamber is designed to admit air into the same, to permit the flow of water through the cock E.

In the drawing I have represented the reservoir used in the top story, the same differing from the others in that it is provided with a bent-top tube or goose-neck, which is to allow the water to flow continuously upward through all the reservoirs and then return to the water-main through the goose-neck, and by this means the water in the reservoirs will be kept fresh. The water will, of course, only flow continuously when there is a full pressure in the water-main.

Having thus described my invention, I claim as new as far as perfected—

The water-reservoir A, having a valve, C, at the bottom, and discharge-cock E thereabove, adapted for use in connection with a water-supply pipe, as and for the purpose described.

BENNET COHEN.

Witnesses:

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